

S/N 09/613,604

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PATENTIn the Claims

Please cancel ~~claims~~ 136-138, 163-164 and 170.

Please replace claims 127, 139 and 165 with the following rewritten claims:

C8 127. (Amended) An electrochemical sensor comprising:
a flexible, planar substrate;
a first conductive material non-leachably disposed on a first surface of the planar substrate to form one or more working electrodes;
one or more contact pads on the first surface and in electrical contact with the one or more working electrodes;
a second conductive material non-leachably disposed on one of the first surface and a second surface of the planar substrate to form a counter electrode, a reference electrode, or a counter-reference electrode;
a contact pad disposed on the one of the first surface and the second surface and in electrical contact with the counter electrode, reference electrode or counter-reference electrode;
an enzyme non-leachably disposed proximate to the working electrode; and
an analyte mass transport limiting layer disposed over at least a portion of the working electrode to limit transport of an analyte to the working electrode;
wherein the sensor comprises a wide portion and a narrow portion, the narrow portion having a length of 2 cm or less and a width of 2 mm or less, and the narrow portion configured and arranged for subcutaneous implantation into the body of an animal for contact with body fluid of the animal.

C9 10 139. (Amended) The electrochemical sensor of claim 127, wherein the narrow portion has a width in the range of 1 mm or less.

C10 34 165. (Amended) The electrochemical sensor of claim 127, wherein at least one of the one or more contact pads comprises a conductive polymer.